Figure 1

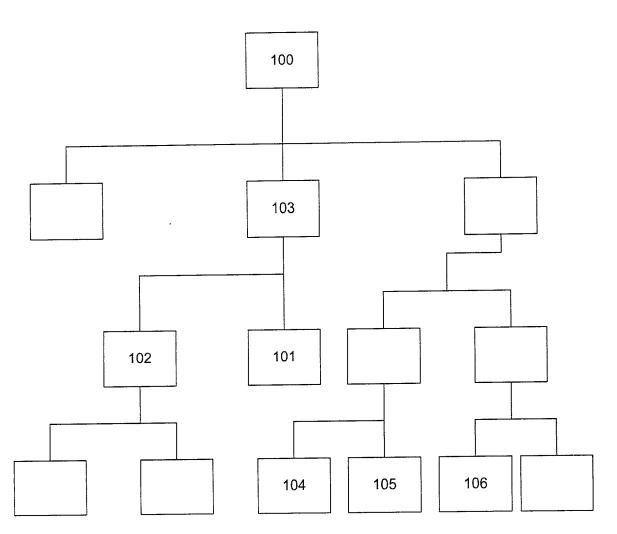


Figure 2A

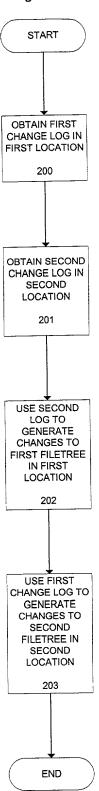


Figure 2B

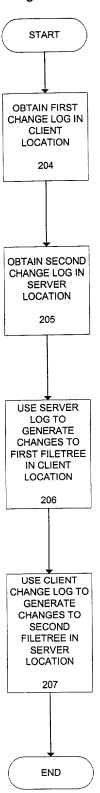


Figure 3

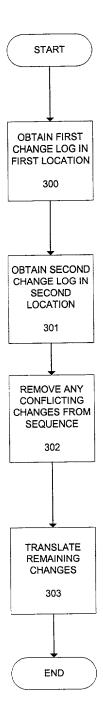


Figure 4 START COMPARE EACH OPERATION INA SERVER LOG AGAINST ENTIRE CLIENT LOG 400 COMPARE THE SERVER OPERATIONS AGAINST A PARTICULAR CLIENT OPERATION DOES CLIENT OPERATION SEMANTICALLY CONFLICT WITH A SERVER OPERATION? ADD PAIR TO A YES **CONFLICT LIST** 402 403 NO DOES OPERATION CAUSE 2 OBJECTS TO BECOME EACH OTHER'S ANCESTORS? YES NO TRANSLATE IS OPERATION
RENAME/REPARENT OF
OBJECT OR A ANCESTOR OF OBJECT? YES **USING OBJECTS NEW LINEAGE** 406 NO ADD TRANSLATED SERVER OPERATION TO SEQUENCE OF OPERATIONS FOR THE CLIENT 407 END

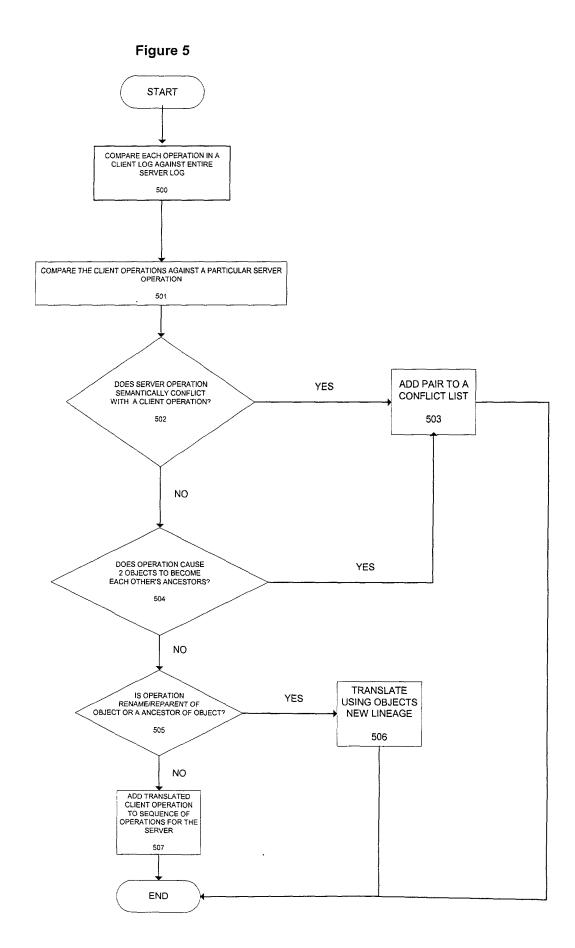
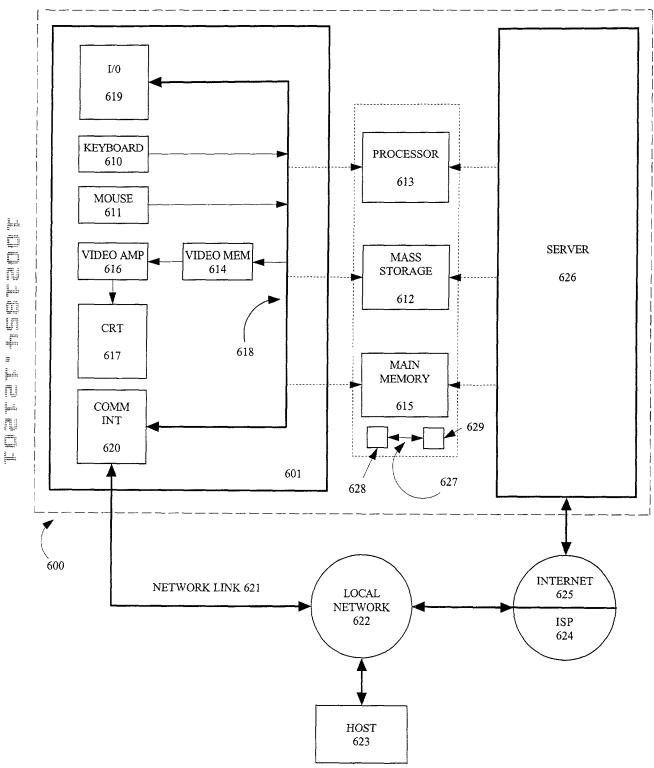


Figure 6



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Figure 7

